

ABSTRACT OF THE DISCLOSURE

B1 The invention provides a method for implementing a multi-level display of an electro-optical device according to a time ratio gray-scale method without providing reset lines. In an electro-optical device that includes, at an intersection of a scanning line and a data line, an electro-optical element, a driving transistor that drives the electro-optical element, and a switching transistor that controls the driving transistor, a gray-scale is obtained by performing a plurality of set-reset operations. Each set-reset operation includes: a setting step of supplying an on-signal to the switching transistor via the scanning line, and of supplying a set signal to select a conducting state or a non-conducting state of the driving transistor to the driving transistor via the data line and the switching transistor in accordance with the one signal; and a resetting step of supplying an on-signal to the switching transistor via the scanning line, and of supplying a reset signal to select the non-conducting state of the driving transistor to the driving transistor via the data line and the switching transistor in accordance with the one signal.